Journal of Hydrology, 162 (1994) 447–448
Elsevier Science B.V.

Contents of Volume 162

Vol. 162 Nos. 1–2 October 1994

Research Papers

Hydrologic pathways and stormflow hydrochemistry at South Creek, northeast Queensland
H. Elsenbeer, A. West and M. Bonell 1

Field measurements of water and nitrogen losses under irrigated maize
L. Kengni, G. Vachaud, J.L. Thony, R. Laty, B. Garino, H. Casabianca, P. Jame and R. Viscogliosi 23

The role of soil water in stormflow generation in a forested headwater catchment: synthesis of natural tracer and hydrometric evidence
D.E. Bazemore, K.N. Eshleman and K.J. Hollenbeck 47

Improvements on evaluating constant-head permeameter test data
J. Xiang 77

Peak flow rate and recession-curve characteristics of a karst spring in the Inner Bluegrass, central Kentucky
G.K. Felton and J.C. Currens 99

Identification of areas of recharge and discharge using Landsat-TM satellite imagery and aerial photography mapping techniques
R.B. Salama, I. Tapley, T. Ishii and G. Hawkes 119

Clearcutting effects on streamflow in coppiced *Eucalyptus globulus* stands in Portugal
J.S. David, M.O. Henriques, T.S. David, J. Tomé and D.C. Ledger 143

Boron isotope geochemistry of thermal springs from the northern Rift Valley, Israel
A. Vengosh, A. Starinsky, Y. Kolodny and A.R. Chivas 155

Hydrology and denudation rates of halite karst
A. Frumkin 171

Power from groundwater
W.E. Bardsley 191

A general structural equation model for river water quality data
S. Zou and Y.-S. Yu 197

Discussions

Falling-head ponded infiltration with evaporation — Comment
D.A. Barry, J.-Y. Parlange and R. Haverkamp 211

Falling-head ponded infiltration with evaporation — Reply
J.R. Philip 215

Book Reviews

Statistical Analysis in Water Resources Engineering (Applied Hydrology Monographs 1), by M. Shahin, H.J.L. van Oorschot and S.J. de Lange — T.A. Buishand 223

Mires; Process, Exploitation and Conservation, by A.L. Heathwaite and Kh. Göttlich (Editors), — J.M. Schouwenaars 224

Announcement 227

Vol. 162 Nos. 3–4 **November 1994**

Research Papers

Comparative estimates of transpiration of ash and beech forest at a chalk site in southern Britain
J. Roberts and P.T.W. Rosier 229
Estuarine barrages and their influence on groundwater
J.W. Lloyd 247
Modelling storage behaviour in a fractured rock mass
D. Bruel, M.C. Cacas, E. Ledoux and G. de Marsily 267
Interpreting non-steady state tracer breakthrough experiments in sand and clay soils using a dual-porosity model
R.K. Saxena, N.J. Jarvis and L. Bergström 279
A two-parameter monthly water balance model for French watersheds
Z. Makhlouf and C. Michel 299
Underestimation of dry deposition by throughfall in mixed northern hardwood forests
L.E. Rustad, J.S. Kahl, S.A. Norton and I.J. Fernandez 319
The impact of a riparian wetland on streamwater quality in a recently afforested upland catchment
B.A. Emmett, J.A. Hudson, P.A. Coward and B. Reynolds 337
Climatic variability of soil water in the American Midwest: Part 1. Hydrologic modeling
D.-H. Bae and K.P. Georgakakos 355
Climatic variability of soil water in the American Midwest: Part 2. Spatio-temporal analysis
K.P. Georgakakos and D.-H. Bae 379
Real-time flood forecasting using a stochastic rainfall generator
P. Lardet and C. Obled 391
Estimation of plant transpiration from meteorological data under conditions of sufficient soil moisture
J. Pražák, M. Šír and M. Tesař 409
Against objective statistical analysis of hydrological extremes
W.E. Bardsley 429

Technical Note

Variable-parameter Muskingum-Cunge method revisited
V.M. Ponce and P.V. Chaganti 433

Book Review

IAHR5 — Hydraulic Structure Design Manual, Water Quality and its Control, by M. Hino (Editor) — Ir. J.H.G. Verhagen 441

Guide for Authors 443

Announcement